(Sheet -1- of 14)

Title: SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE SYSTEMS

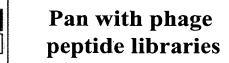
Applicants: Ault-Riche et al.

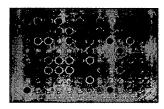
Filed: October 30, 2003 Atty Docket No.: 25885-1759

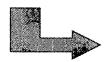
Start with Y look for (

Hybridomas from non-immunized mice











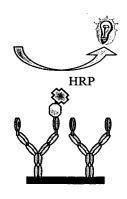


Figure 1A

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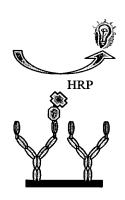
Start with | look for Y



Immunize mice with designed tags



Screen with arrayed tags



Functional screen of tagged molecule

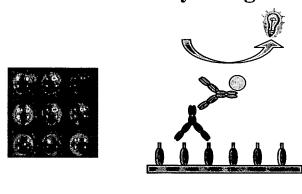




Figure 1B

(Sheet -3- of 14)

Title: SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE SYSTEMS

Applicants: Ault-Riche et al.

Filed: October 30, 2003 Atty Docket No.: 25885-1759

Sorting by pools

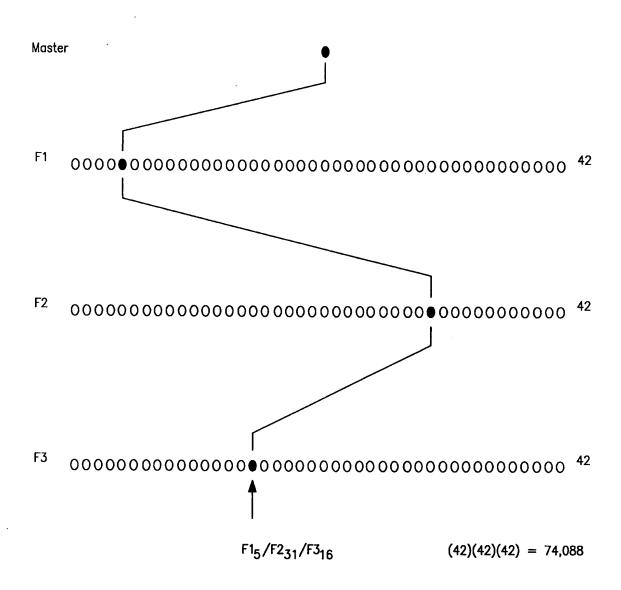


Figure 2

HELLER EHRMAN WHITE & McAULIFFE LLP (Sheet -4- of 14)

Title: SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE

Applicants: Ault-Riche et al.

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Sorting by pools: Decreasing pool diversities

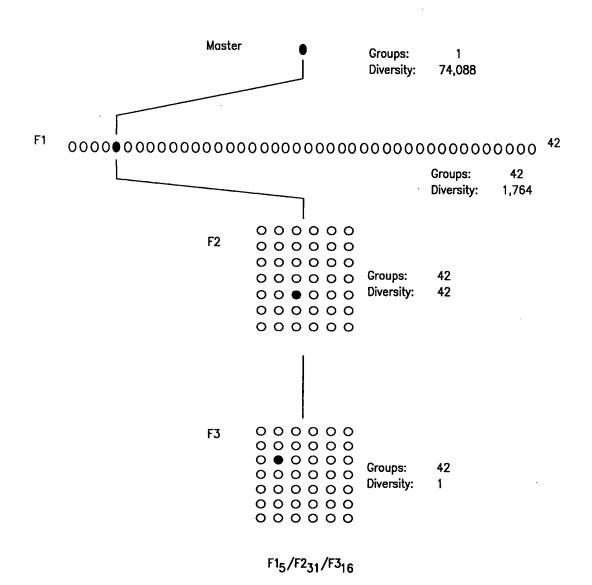


Figure 3

HELLER EHRMAN WHITE & McAULIFFE LLP (Sheet -5- of 14)

Title: SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE SYSTEMS

Applicants: Ault-Riche et al.

Filed: October 30, 2003 Atty Docket No.: 25885-1759

Sorting by pools: Screening large diversity libraries

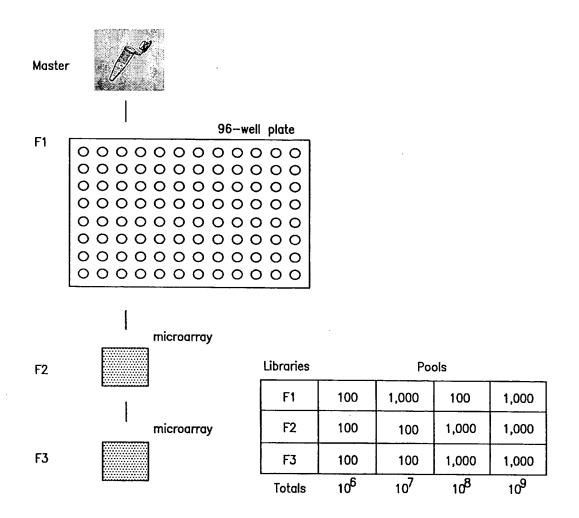


Figure 4

(Sheet -7- of 14)

Title: SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE SYSTEMS

SYSTEMS

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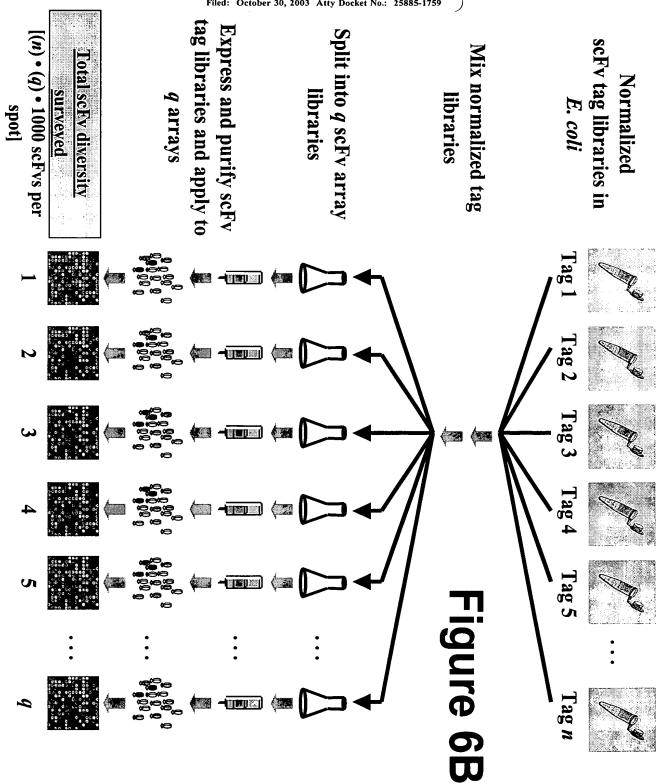
scFv cDNA sublibraries containing epitope tags adjusting volumes so Transform and freeze that each sublibrary (epitopes 1 through n) Clone into plasmids titer is equivalent scFv tag libraries scFv cDNA library Thaw and titer an Normalize by (1 through n)aliquot Tag : Tag 3 Figure 6A Tag 5

HELLER EHRMAN WHITE & McAULIFFE L (Sheet -8- of 14)

Title: SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE **SYSTEMS**

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SYSTEMS

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Screening for Test Compounds or Conditions that Modulate Interactions

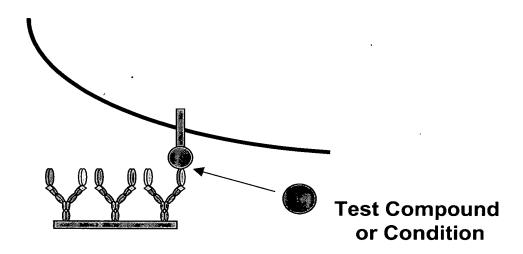


Figure 7A

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Title: SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE

SYSTEMS

Applicants: Ault-Riche et al.

Filed: October 30, 2003 Atty Docket No.: 25885-1759

Screening for Test Compounds or Conditions that Modulate the Effect of Interactions

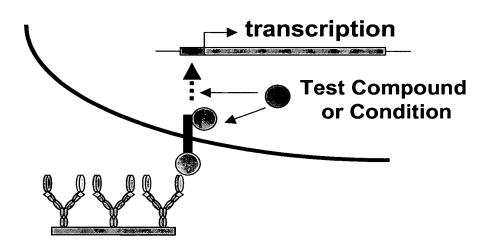


Figure 7B

(Sheet -11- of 14)
Title: SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE

Applicants: Ault-Riche et al.

Filed: October 30, 2003 Atty Docket No.: 25885-1759

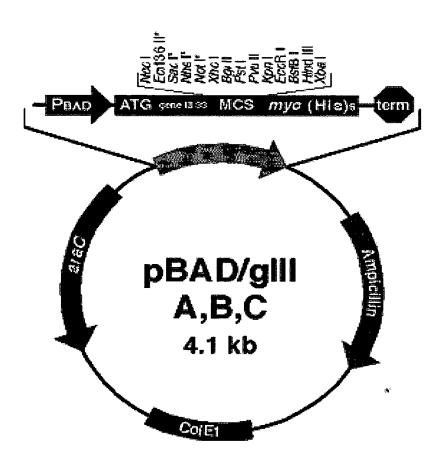


Figure 8

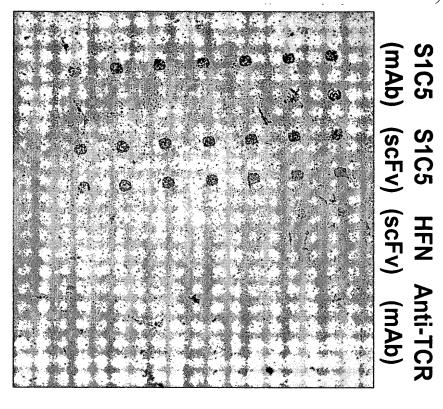
(Sheet -12- of 14)

Title: SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE

SYSTEMS

Applicants: Ault-Riche et al.

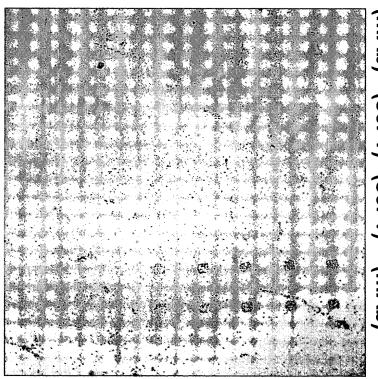
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B Cells (38C13)

Figure 9

T Cells (C6VL)



mAb) (scFv) (scFv) (mAb)

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Applicants: Ault-Riche et al.

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38C13 38C13 Cell Extract Receptor

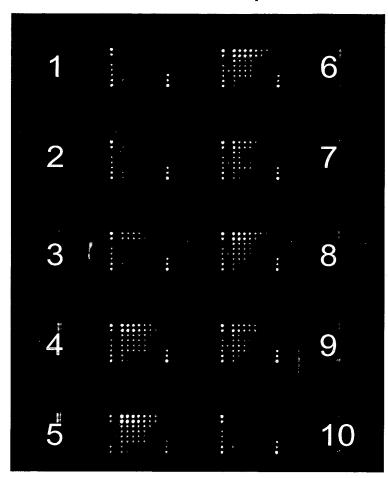


Figure 10

(Sheet -14- of 14)

Title: SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE SYSTEMS

Applicants: Ault-Riche et al.

Filed: October 30, 2003 Atty Docket No.: 25885-1759

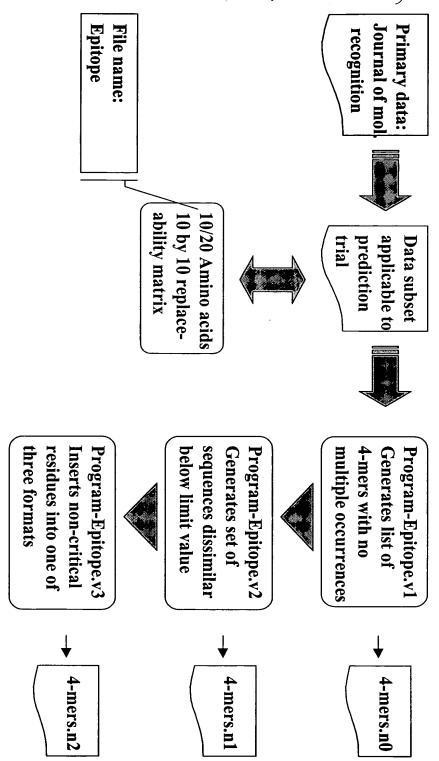


Figure 11